

Please amend the claims appearing on substitute pages 12-14 as follows:

Please amend claim 1 as follows:

1. (Amended) [Method] A method for recognizing a predetermined vocabulary in spoken language with a computer, comprising the steps of:

(a) determining [whereby] a digitalized voice signal [is determined] from the spoken language;

(b) conducting [whereby] a signal analysis [is implemented] on the digitalized voice signal, to obtain feature vectors for describing the digitalized voice signal [proceeding therefrom];

(c) conducting [whereby] a global search [ensues] for imaging the feature vectors onto a language [present] in modeled form, [whereby] wherein each phoneme of the language is described by a modified hidden Markov model and each status of the hidden Markov model is described by a probability density function;

(d) adapting [whereby] the probability density function by modifying the vocabulary by splitting [is adapted by modification of the vocabulary in that] the probability density function [is split] into a first probability density function and into a second probability density function if [the] a drop of an entropy value [lies] is below a predetermined threshold; and

(e) [whereby] the global search [offers] producing a recognized word sequence.

Please cancel claim 2.

Please amend claim 3 as follows:

A17 3. (Amended) [Method] A method according to claim 1 [or
2., whereby the modification of] comprising modifying the vocabulary [is
caused] by [the] addition of a word to the vocabulary [or whereby
pronunciation habits of a speaker change].

5 Please amend claim 4 as follows:

A18 4. (Amended) [Method] A method according to [one of the
preceding claims, whereby] claim 1 wherein the first probability density
function and the second probability density function respectively comprise
at least one Gaussian distribution.

10 Please amend claim 5 as follows:

A19 5. (Amended) [Method] A method according to claim 4,
[whereby] comprising determining identical standard deviations, a first
average of the first probability density function and a second average of the
second probability density function [are determined] for the first probability
density function and for the second probability density function, whereby the
first average differs from the second average.

Please cancel claim 6.

Please amend claim 7 as follows:

20 7. (Amended) Arrangement for recognizing a predetermined
vocabulary in spoken language comprising a processor unit that is
configured [such that] to

A20 (a) determine a digitalized voice signal [can be determined] from
the spoken language;
(b) conduct a signal analysis [can be implemented] on the
digitalized voice signal, to obtain feature vectors for describing
the digitalized voice signal [proceeding therefrom];

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(c) conduct a global search [ensues] for imaging the feature vectors onto a language present in modeled form, [whereby] wherein each phoneme of the language [can be] is described by a modified hidden Markov model and each status of the hidden Markov model [can be] is described by a probability density function.

(d) adopt the probability density function [is adapted] by [modification of] modifying the vocabulary [in that] by splitting the probability density function [is split] into a first probability density function and into a second probability density function if [the] a drop of an entropy value [lies] is below a predetermined threshold; and
(e) the global search [offers] producing a recognized word sequence.

15 Please cancel claim 8.

Please add the following additional claims:

9. A method according to claim 1 having an execution time associated therewith, and wherein the step of modifying the vocabulary is completed within said execution time.

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10. A method according to claim 1 comprising modifying the vocabulary according to pronunciation habits of a speaker of said language.

11. A method according to claim 1 comprising splitting said probability density function multiple times.

25 12. An arrangement according to claim 7 wherein said processor unit modifies said vocabulary on line.